94-115426/14 A97 D25 E19 KAOS 92.08.19 *JP 06065598-A

KAO CORP

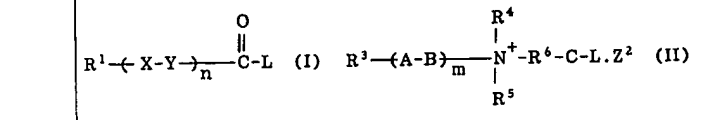
92.08.19 92JP-220198 *(94.03.08)* C11D 11/00, 7/54, D06L 3/02

Prepn. of bleaching activator granulate having high storage stability - by granulating nucleus particles consisting of sodium percarbonate or perborate impregnated and or coated with borate(s), etc.

C94-053487

A(10-B1, 12-W12B) D(11-B11, 11-D1F) E(10-A22, 10-C4F, 31-E, 31-Q)

In a new prepn. of a bleaching activator granulate,
(A) nucleus particles consisting of sodium percarbonate or perborate particles impregnated and/or coated with a borate(s) or sodium perborate particles without impregnation and coating; and
(B) a powder(s) of formula (I) and/or (II) are granulated with stirring and tumblingin the presence of a water-soluble organic binder(s) to obtain a granulate having a wt. average grain size of 100-3,000 microns.



R^1 = opt. substd. opt. branched 1-22C alkyl or alkenyl or aryl opt. substd. with a 1-22C alkyl;
X = -O-, $-N(R^2)-C(O)-$, $-C(O)-N(R^2)-$, -C(O)-, -O-C(O)- or -C(O)-O-;
R^2 = H or opt. substd. opt. branched 1-22C alkyl or alkenyl;
Y = opt. substd. 1-12C alkylene, oxyalkylene or polyoxyalkylene having an addn. mole number of 1-20 moles;
n = 0 or 1;
L = leaving gp. generating and organic peroxide on reaction with H_2O_2;
R^3 = opt. branched 1-20C alkyl or alkenyl, phenyl or aryl substd. with an alkyl gp(s). with their total carbon atom number of 1-20C;
R^4 and R^5 = 1-3C alkyl; A = -O-, -NH-C(O)-, -C(O)-NH-, -C(O)-, -O-C(O)- or -C(O)-O-;
B = opt. branched 1-10C alkylene or $-D-(OD)_p-$;
D = 2-3C alkylene;
p = 0-10, on average;
m = 0 or 1;
R^6 = opt. substd. 1-12C alkylene or $-(-CH_2)_q-(-CH_2-)_r-$;
q and r = 0-2; and

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Z = inorganic/organic gp.; (Z^- may not exist when $-N^+-$ and L form an intramolecular salt.

USE/ADVANTAGE

The granulate dissolves readily in water even at low temp. under weak stirring. It has high storage stability.
(9ppW31CHDwgNo0/0)

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